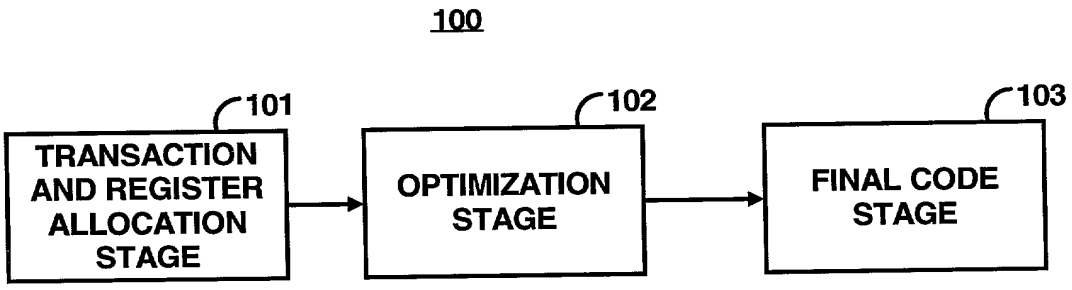

FIG. 1

09820204.100501

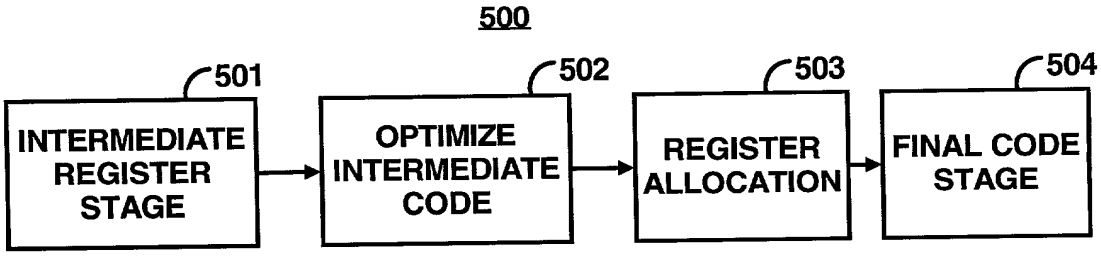

FIG. 5
PRIOR ART

09820020 - 100104

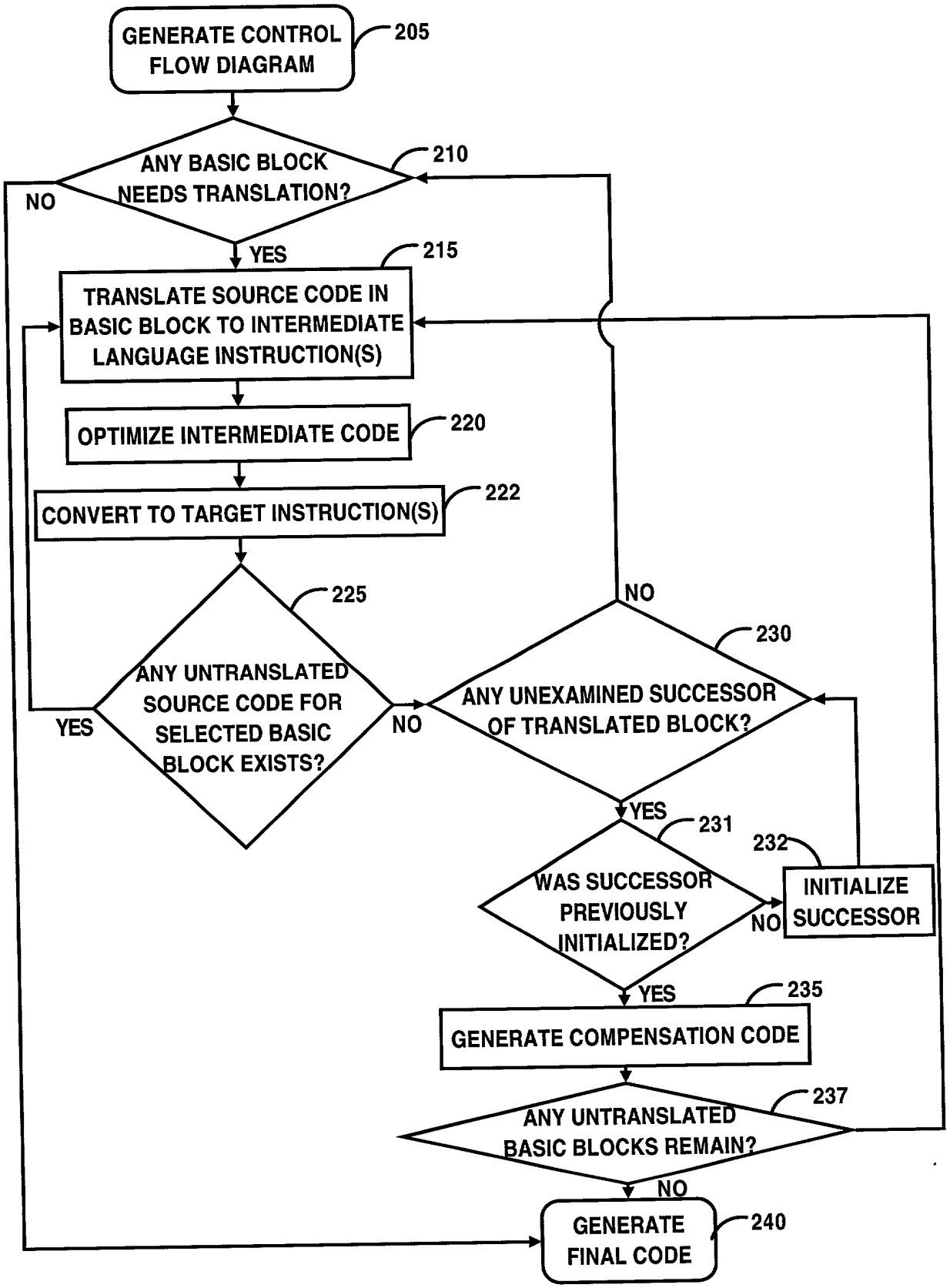

FIG. 2

10008023-1

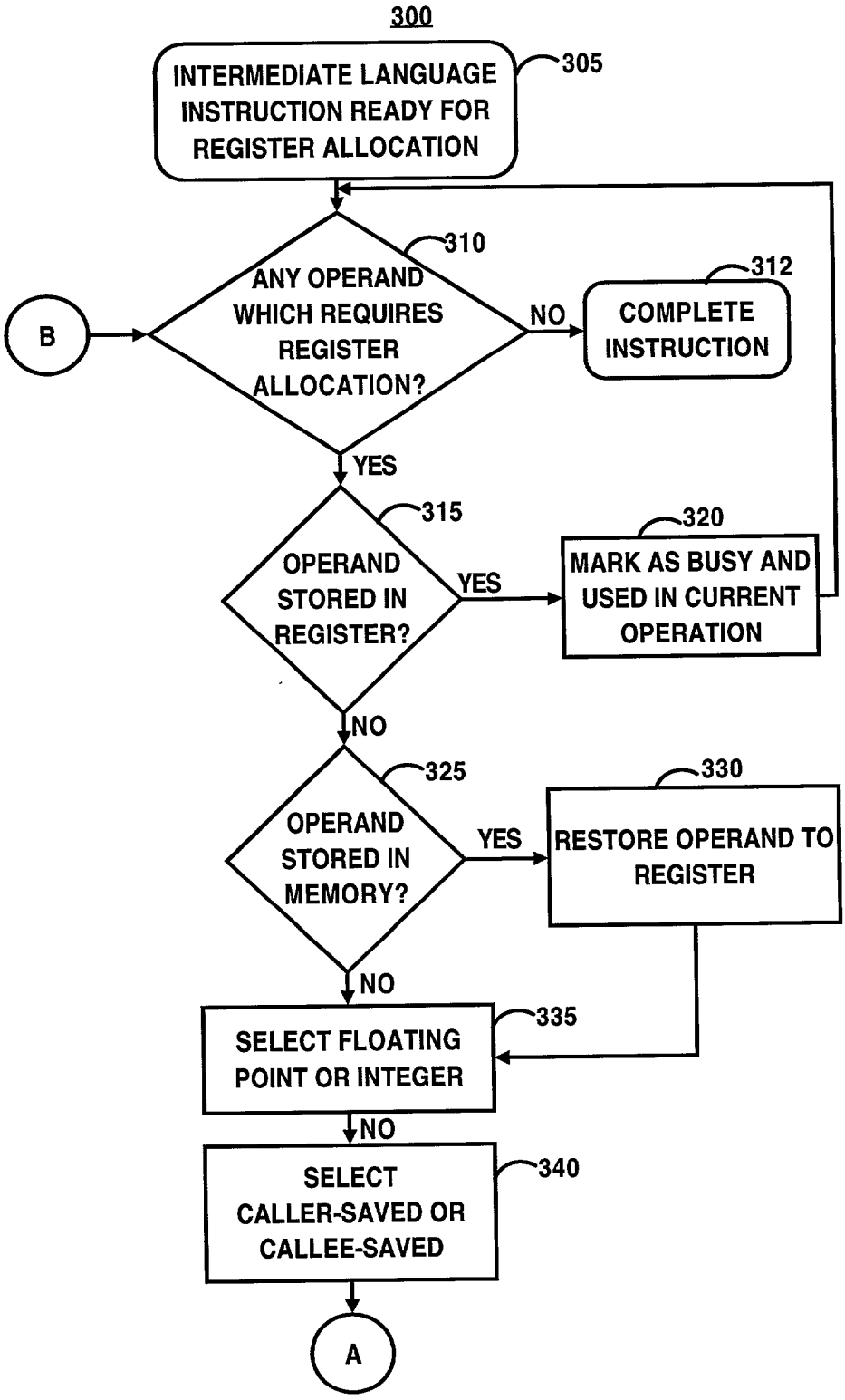

FIG. 3A

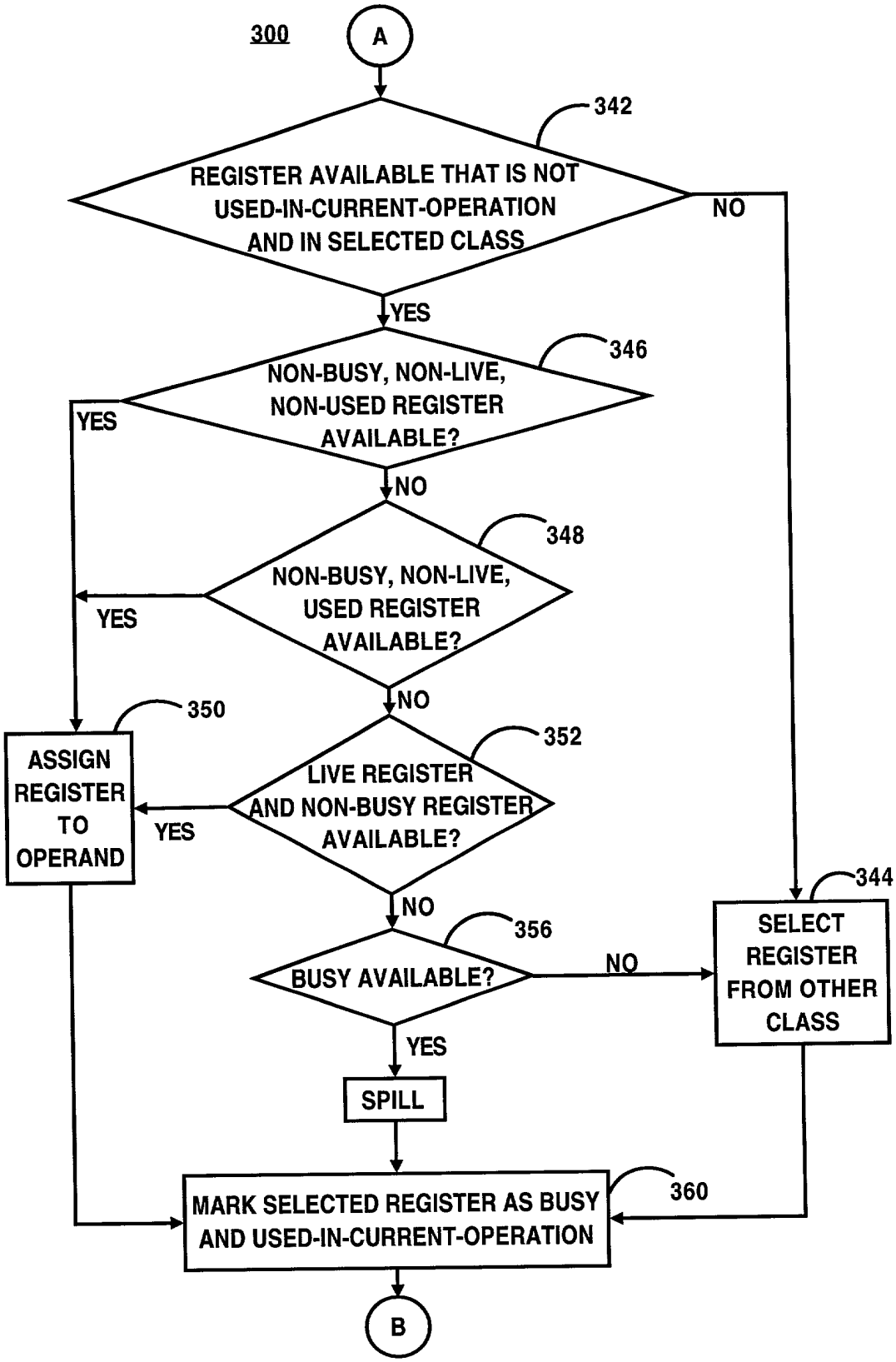
300
A
342
REGISTER AVAILABLE THAT IS NOT USED-IN-CURRENT-OPERATION AND IN SELECTED CLASS
NO
YES
346
NON-BUSY, NON-LIVE, NON-USED REGISTER AVAILABLE?
YES
NO
348
NON-BUSY, NON-LIVE, USED REGISTER AVAILABLE?
YES
NO
350
ASSIGN REGISTER TO OPERAND
352
LIVE REGISTER AND NON-BUSY REGISTER AVAILABLE?
YES
NO
356
BUSY AVAILABLE?
NO
344
SELECT REGISTER FROM OTHER CLASS
YES
SPILL
360
MARK SELECTED REGISTER AS BUSY AND USED-IN-CURRENT-OPERATION
B

FIG. 3B

TO6TOT "0202866Q

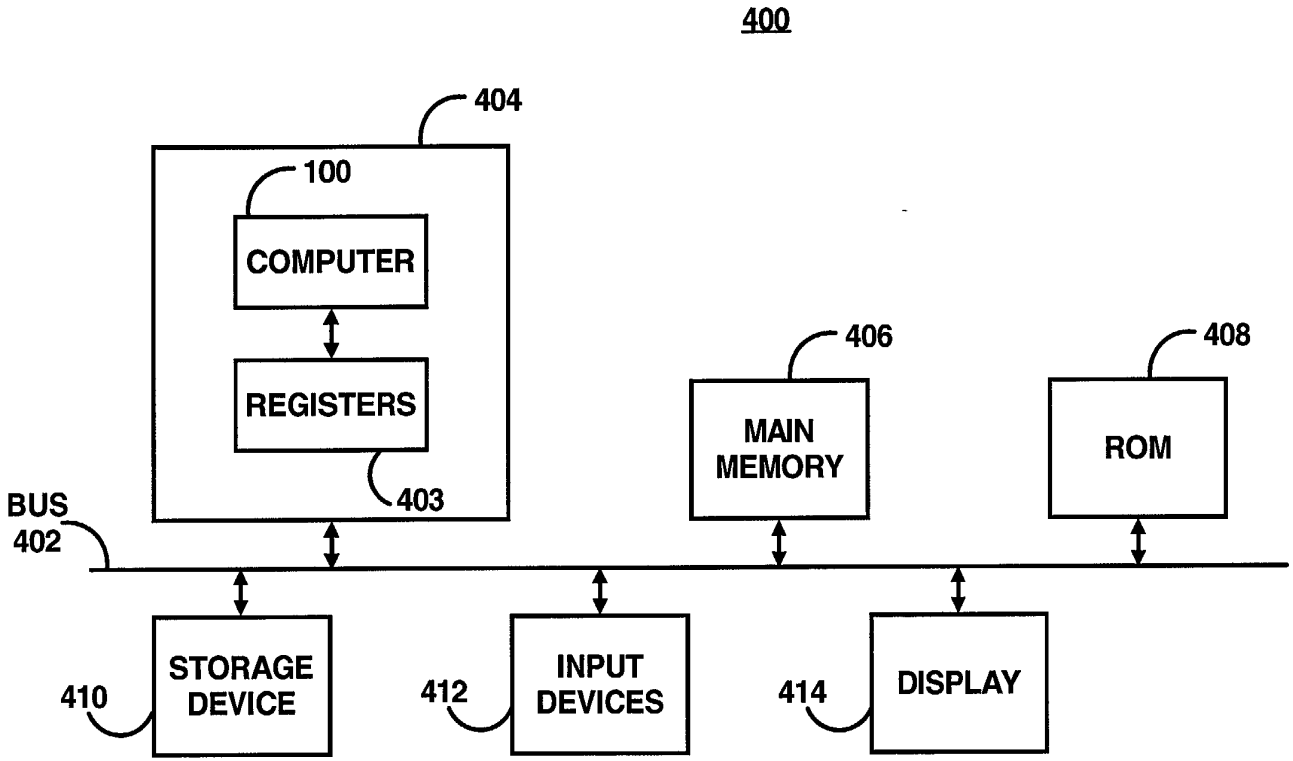

FIG. 4